LPV HJT 通威光伏

26.0%High-Effciency

Leascend G12-18BB HJT Cell

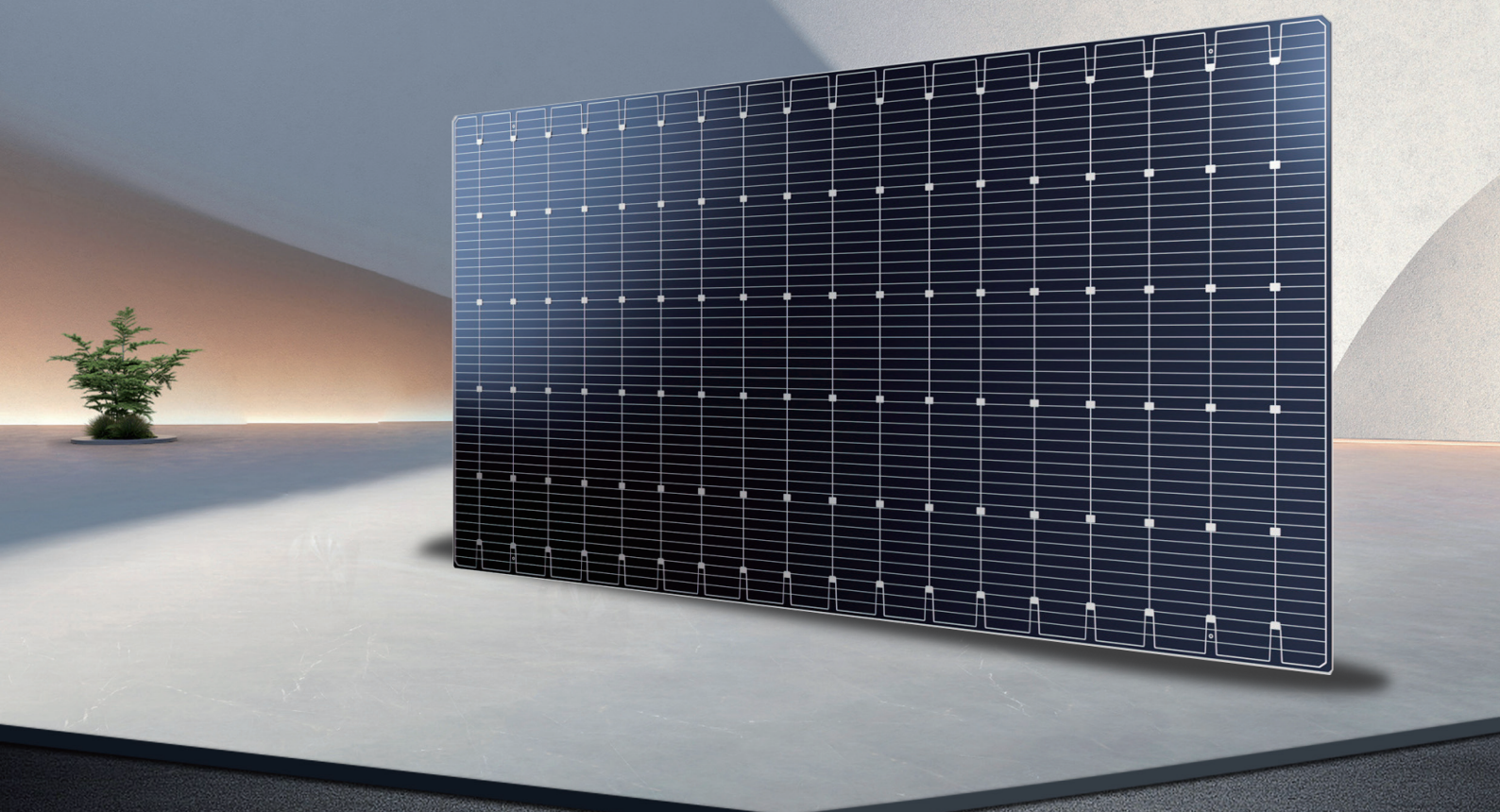
Half-Cell Dual-Mirco-Crystal High-Effciency

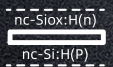
Leascend Photovoltaic Technology Co., Ltd ("Leascend PV"), controlled by Leascend Technology Co., Ltd (300051.SZ), is a technology innovation company focused on the development and mass production of high-efficiency heterojunction solar technology. Leascend PV aims to become a world-leading company of high-efficient solar energy and adheres to the philosophy of "win-win development, harmonious sharing, and focus on effeciency".

Due the rapid development, a strategic layout of two manufacturing plants has been formed, combined the production capacity of Meishan manufacturing plant in Sichuan Province and Nantong manufacturing plant in Jiangsu Province, we have reached a total capacity of 8.8 GW as of 2024. And by the year of 2026, Leascend PV will increase the capacity to 40 GW.

Adhering to the key concept of low cost, high quality and high efficiency, Leascend PV is focusing on the development of heterojunction solar technology, so as to continuously bring new positive changes to solar industry.

Leascend PV is accelerating the process of globalization, keep expanding the global market and bringing more Leascend light to the green world.





Higher Efficiency & Power Output
Power gains 10% more thanthe conventional solar cells
Average conversion efficiency higherthan 26%

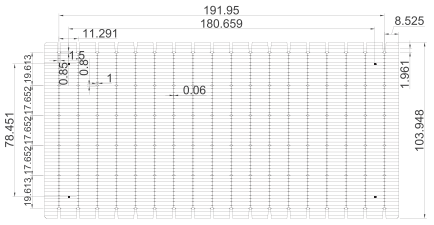
-0.24%°C
-0.24% Low temperature coefficient

High Bifaciality
Up to 95% bifaciality

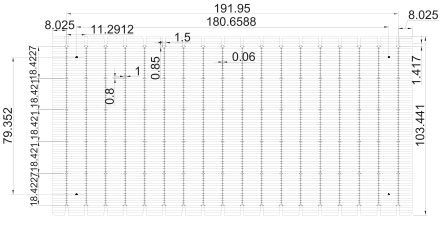
Zero Degradation
No PID and LID effect

Mechanical Parameters

Product	High-efficiency Monocrystalline HJT Solar Cell (Half-cut)
Specification	N-type,18BB,210mm*105mm±0.15mm
Average Thickness	110±15μm,120±15μm
Front Side (-)	Front busbars (silver) 18*0.04mm with padding point; Blue Transparent Conductive Oxide (TCO) Film
Back Side (+)	Front busbars (silver) 18*0.04mm with padding point; Blue Transparent Conductive Oxide (TCO) Film

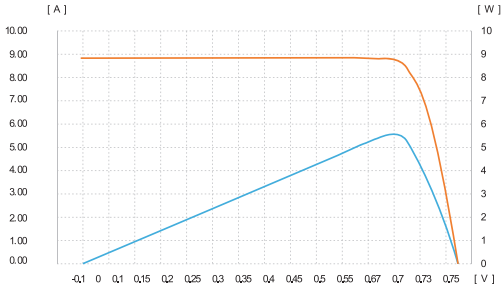


Front

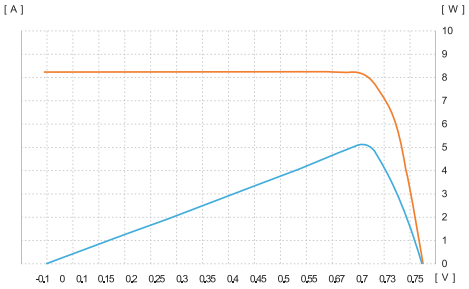


Back

I-V Curve(25.50%)

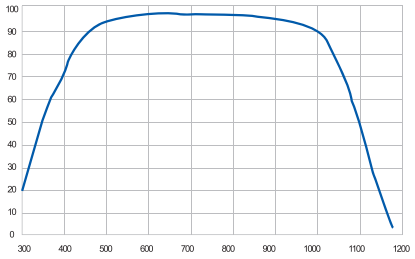


Frontside



Backside

Wavelength Response



Wavelength (μm)

Electronic Parameters

Cell Type		LS-210M-260	LS-210M-259	LS-210M-258	LS-210M-257	LS-210M-256	LS-210M-255	LS-210M-254	LS-210M-253
Max. Power	Pmpp [W]	5.73	5.70	5.68	5.66	5.64	5.62	5.59	5.57
Current at the MaxPower Point	Impp [A]	8.503	8.482	8.467	8.441	8.425	8.403	8.382	8.36
Voltage at the Max.Power Point	Vmpp [V]	0.674	0.673	0.672	0.672	0.669	0.669	0.668	0.669
Short-Circuit Current	Isc [A]	8.848	8.834	8.826	8.815	8.803	8.795	8.781	8.773
Open-Circuit Voltage	Voc [V]	0.753	0.753	0.753	0.752	0.752	0.752	0.752	0.752
Filling Factor	FF	85.99	85.84	85.58	85.47	85.25	85.01	84.83	84.73
Efficiency	η [%]	26.0	25.9	25.8	25.7	25.6	25.5	25.4	25.3

Rear Electronic Parameters

LS-210M-ZM-260	LS-210M-ZM-255	LS-210M-ZM-247
5.44	5.34	5.17
8.005	7.855	7.710
0.681	0.68	0.672
8.45	8.315	8.250
0.752	0.750	0.748
86.66	85.64	83.86
24.7	24.23	23.47

*Standard Test Conditions: 1000 W/m², AM 1.5, 25°C. The above technical parameters are subject to change due to technological advancements and testing. Leascend Photovoltaic reserves the final right of interpretation.

Temperature Coefficient

Open-Circuit Voltage	Voc	-0.22%/K
Short-Circuit Current	Isc	+0.047%/K
Max. Power	Pmax	-0.24%/K

Packaging Information & Storage Instructions

120 pcs/box 16 box/carton 1920 pcs/carton

1.Ensure that cells are stored in an ambient temperature environment that is dry and clean.

2.After opening the packaging, please process the battery cells within 10 days.

LPV HJT LEASCEND PV

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